

Contents of *Aquatic Botany*, Volume 42

VOL. 42 NO. 1

NOVEMBER 1992

Life history traits: a possible cause for the higher frequency of occurrence of <i>Zannichellia pedunculata</i> than of <i>Zannichellia obtusifolia</i> in temporary marshes P. Grillas, C. Van Wijck (Arles, France) and A. Bonis (Montpellier, France)	1
Architectural and life history constraints to submersed macrophyte community structure: a simulation study C.M. Duarte (Gerona, Spain) and D.A. Roff (Montreal, Que., Canada)	15
Adaptive mechanisms of inorganic carbon transport and metabolism in <i>Hydrodictyon reticulatum</i> R. Rybová, L. Nešpůrková and K. Janáček (Prague, Czechoslovakia)	31
Variation in performance of <i>Phragmites australis</i> in experimental culture R.E. Daniels (Wareham, UK)	41
Leaf renewal cycle and primary production of <i>Posidonia oceanica</i> in the bay of Lacco Ameno (Ischia, Italy) using lepidochronological analysis G. Pergent and C. Pergent-Martini (Marseille, France)	49
Technical Communication	
An evaluation of a rapid visual technique for estimating seagrass biomass J.E. Mellors (Cairns, Qld., Australia)	67
Short Communications	
Germinating <i>Zostera noltii</i> Hornemann found in the Etang de Diana, Corsica C. Goubin and F. Loquès (Nice, France)	75
Chemical characterization of pressed fibrous residues of four aquatic weeds S. Chanda, S.K. Bhaduri and D. Sardar (Calcutta, India)	81
Book Reviews	
Seaweeds	87
Invitation to unauthorized copying	88
Wetland plants in New Zealand	90
Atlas of Alberta Lakes	91
Guide for Authors	93

VOL. 42 NO. 2

JANUARY 1992

Weed invasions countered by biological control: <i>Salvinia molesta</i> and <i>Eichhornia crassipes</i> in Sri Lanka P.M. Room (Indooroopilly, Qld., Australia) and I.V.S. Fernando (Kelaniya, Sri Lanka)	99
Effects of fish farming on growth, epiphytes and nutrient content of <i>Fucus vesiculosus</i> L. in the Åland archipelago, northern Baltic Sea O. Rönnerberg, K. Ådjers, C. Ruokolahti and M. Bondestam (Åbo, Finland)	109
Effects of cooling water discharge on the vegetation in the Forsmark Biotest Basin, Sweden R. Svensson and M. Wigren-Svensson (Uppsala, Sweden)	121
Early withering of lower leaves of <i>Phragmites australis</i> (Cav.) Trin. ex Steud. in a eutrophic	

stand: role of oxygen concentration, fate of nitrogen and nitrogen uptake by the plants S. Yamasaki (Chiba, Japan), M. Kimura (Nagoya, Japan) and T. Yoneyama (Ibaraki, Japan)	143
HCO ₃ ⁻ use and evidence for a carbon concentrating process in the mat-forming cyanophyte <i>Lyngbya birgei</i> G.M. Smith S. Beer, W.E. Spencer and G. Bowes (Gainesville, FL, USA)	159
Oogonial development, maturation and release in <i>Sargassum vulgare</i> C. Agardh and S. <i>johnstonii</i> Setchell & Gardner I. Kaur and M.R. Vijayaraghaven (Delhi, India)	173
Dominant role of seawater osmotic pressure on germination in <i>Cymodocea nodosa</i> G. Caye, C. Bulard, A. Meinesz and F. Loquès (Nice, France)	187

Book Review

Aquatic vegetation	195
--------------------------	-----

VOL. 42 NO. 3

APRIL 1992

Distribution and dynamics of submerged vegetation in a chain of shallow eutrophic lakes M. Scheffer, M.R. de Redelijkheid and F. Noppert (Lelystad, Netherlands)	199
Seed germination in the coastal halophytes <i>Triglochin bulbosa</i> and <i>Triglochin striata</i> G. Naidoo and K. Naicker (Durban, South Africa)	217
Carbon dioxide as a factor regulating the growth dynamics of <i>Juncus bulbosus</i> M.U. Svedäng (Uppsala, Sweden)	231
Life history and population dynamics of whitetop (<i>Scolochloa festuacea</i>) shoots under different levels of flooding and nitrogen supply C. Neill (Woods Hole, MA, USA)	241
Chromosome morphology and number in various populations of <i>Hydrilla verticillata</i> (L.f.) Royle K.A. Langeland, D.G. Shilling, J.L. Carter, F.B. Laroche, (Gainesville, FL, USA), K.K. Steward and P.T. Madiera (Fort Lauderdale, FL, USA)	253
Relative contribution of different decay processes to the decomposition of <i>Eichhornia</i> <i>crassipes</i> (Mart.) Solms P.K. Singhal, S. Gaur and L. Talegaonkar (Jabalpur, India)	265
Phenolic compounds in macrophytes from the Lower Nelson River system, Canada E. Pip (Winnipeg, Man., Canada)	273

Short Communications

Calculation of the root area index in <i>Posidonia oceanica</i> in the western Mediterranean P. Francour (Marseille, France) and R. Semroud (Alger, Algeria)	281
Growth inhibition of <i>Lemna minor</i> L. by hydrolysates of gum karaya L.C. Foa, J.A. Campbell, V.W.K. Lee and S. Strother (Geelong, Vic., Australia)	287

Book Reviews

Aquatic Plants	293
Inland Waters of Southern Africa	294
Wetlands and Shallow Waters	295
Trophic Interaction Manipulation to Restore Eutrophicated Lakes	298
Dinophyceae (Dinoflagellida)	299

VOL. 42 NO. 4

MAY 1992

Differences in morphology, carbon isotope ratios, and photosynthesis between scrub and fringe mangroves in Florida, USA G. Lin and L. da S.L. Sternberg (Coral Gables, FL, USA)	303
---	-----

Macroalgal colonization patterns on artificial substrates inside southeastern Brazilian mangroves V.R. Eston, M.R.A. Braga, M. Cordeiro-Marino, M.T. Fujii and N.S. Yokoya (São Paulo, Brazil)	315
Intertidal <i>Gracilaria</i> farming in southern Chile: differences of the algal provenience A.H. Buschmann, F.A. Kuschel, P.A. Vergara and J. Schulz (Osorno, Chile).....	327
Growth responses of <i>Nymphoides indica</i> seedlings and vegetative propagules along a water depth gradient D. Mason and A.G. van der Valk (Ames, IA, USA)	339
The influence of substratum and water velocity on growth of <i>Ranunculus aquatilis</i> L. (Ranunculaceae) R.T. Boeger (Itacuruçá, Brazil)	351
Temperature effects on seedling emergence from boreal wetland soils: implications for climate change J.C. Hogenbirk and R.W. Wein (Edmonton, Alta., Canada).....	361
Physode distribution and genesis in <i>Sargassum vulgare</i> C. Agardh and <i>Sargassum johnstonii</i> Setchell & Gardner I. Kaur and M.R. Vijayaraghavan (Dehli, India)	375
Distribution of extractable carbohydrate reserves within the rhizome of the seagrass <i>Posidonia australis</i> Hook. f. P.J. Ralph, M.D. Burchett and A. Pulkownik (Gore Hill, N.S.W., Australia)	385
Announcement	393
Author Index	395